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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/807,656	03/24/2004	Ryuji Nishikawa	YKI-0145	3909
23413 7	590 07/18/2005		EXAMINER	
CANTOR COLBURN, LLP 55 GRIFFIN ROAD SOUTH			HU, SHOUXIANG	
BLOOMFIELD, CT 06002			ART UNIT	PAPER NUMBER
	•		2811	
			DATE MAILED: 07/18/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

			\mathcal{M}			
	Application No.	Applicant(s)	BU			
	10/807,656	NISHIKAWA, RYUJI	I			
Office Action Summary	Examiner	Art Unit				
	Shouxiang Hu	2811				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the o	correspondence addr	ess			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	mely filed ys will be considered timely. In the mailing date of this come ED (35 U.S.C. § 133).	munication.			
Status						
1) Responsive to communication(s) filed on						
	action is non-final.		·			
3) Since this application is in condition for allowar	nce except for formal matters, pr	osecution as to the r	nerits is			
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-14</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	•					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-14</u> is/are rejected.						
7) Claim(s) is/are objected to.	•					
8) Claim(s) are subject to restriction and/or	r election requirement.	•				
Application Papers	·					
9) The specification is objected to by the Examine	r.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correct	ion is required if the drawing(s) is ob	jected to. See 37 CFR	l 1.121(d).			
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO)-152.			
Priority under 35 U.S.C. § 119	•					
12)⊠ Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a)-(d) or (f).				
a)⊠ All b)□ Some * c)□ None of:	F	, (=, =, (,,				
1.⊠ Certified copies of the priority documents	s have been received.					
2. Certified copies of the priority documents		ion No				
3. Copies of the certified copies of the prior	rity documents have been receiv	ed in this National Si	tage			
application from the International Bureau	յ (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list	of the certified copies not receive	ed.				
Attachment(s)	,					
1) Motice of References Cited (PTO-892) 2) D Notice of Draftsperson's Patent Drawing Review (PTO-948)	4)					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) 🔲 Notice of Informal I		52)			
Paper No(s)/Mail Date <u>6/25/04 & 3/24/04</u> .	6)					

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3 and 5-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Tamura (US 6,410,168).

Tamura discloses a light-emitting element (Fig. 3), comprising: a transparent substrate (11); a first electrode (12; transparent); a light-emitting layer (13); a second electrode (a semi-transparent thin Ag layer, less than 20 nm in thickness, see cols. 5 and 6); and, an antireflective layer (21).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 4, 8 and 9-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tamura in view of Koo (Koo et al., US 2003/0117059).

The disclosure of Tamura is discussed as applied to claims 1-3 and 5-7 above.

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Tamura does not expressly disclose the features including: the antireflective layer can also be formed of Mo; the light-emitting element can be used in TFT-based actively addressed display device, and/or, the device can further include an antireflective light-blocking layer between the TFT and the substrate. However, as evidenced in Koo, one of ordinary skill in the art readily recognize that Mo is commonly used to forming an antireflective layer with desired low reflectivity ([0019]); that the light-emitting element can be desirably used in TFT-based actively addressed structure for high quality display and that the device can further include an antireflective light-blocking layer between the TFT and the substrate for better contrast (see the naturally antireflective light-blocking Mo layer 105 between the TFT and the substrate 100).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the antireflective Mo material along with the TFT-based addressing structure of Koo into the device of Tamura, so that an actively addressed display device with respectively desired low reflectivity in the antireflective layer, high display quality and better contrast would be obtained.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shouxiang Hu whose telephone number is 571-272-1654. The examiner can normally be reached on Monday through Thursday, 7:30 AM to 6:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C. Lee can be reached on 571-272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SH July 14, 2005

> SHOUXIANG HU PRIMARY EXAMINER

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